

**WHAT IS CLAIMED IS:**

1        1. A mobile communications device, comprising:  
2              means for determining mobile communications device location; and  
3              means for linking metadata representing the determined mobile communications  
4              device location to audio stream data sent from that mobile communications device for a wireless  
5              communications call.

1        2. The device as in claim 1, wherein the means for determining comprises a  
2              processing technique selected from the group consisting of global positioning system (GPS)  
3              location determination, wireless network signal triangulation location determination, and serving  
4              cell identification determination.

1        3. The device as in claim 1, wherein the means for linking includes the metadata as  
2              in-band information along with the audio stream data.

1        4. The device as in claim 1, wherein the means for linking includes the metadata as  
2              out-of-band information along with the audio stream data.

1        5. The device as in claim 1, wherein the means for linking operates in a repetitive  
2              and periodic manner during the course of the wireless communications call to link metadata  
3              representing the determined mobile communications device location to the audio stream data.

1           6.       The device as in claim 1, wherein the determined location is an identification of  
2       cell currently serving the mobile communication device and the means for linking operates to  
3       link in response to detected changes in the currently serving cell.

1           7.       The device as in claim 1, further including means for encrypting the determined  
2       mobile communications device location.

1           8.       The device as in claim 1, wherein the metadata includes a time stamp in addition  
2       to the determined location.

1           9.       The device as in claim 1, wherein the metadata includes call related data selected  
2       from the group consisting of a call record, called/calling party, and billing identification in  
3       addition to the determined location.

1        10. A wireless network node, comprising:  
2                means for determining location of a mobile communications device in  
3 communication with the node; and

4                means for linking metadata representing the determined mobile communications  
5 device location to audio stream data sent from that mobile communications device for a wireless  
6 communications call.

1        11. The node as in claim 10, wherein the means for determining comprises a  
2 processing technique selected from the group consisting of wireless network signal triangulation  
3 location determination, and serving cell identification determination.

1        12. The node as in claim 10, wherein the means for linking includes the metadata as  
2 in-band information along with the audio stream data.

1        13. The node as in claim 10, wherein the means for linking includes the metadata as  
2 out-of-band information along with the audio stream data.

1        14. The node as in claim 10, wherein the means for linking operates in a repetitive  
2 and periodic manner during the course of the wireless communications call to link metadata  
3 representing the determined mobile communications device location to the audio stream data.

1           15.     The node as in claim 10, wherein the determined location is an identification of  
2     cell currently serving the mobile communication device and the means for linking operates to  
3     link in response to detected changes in the currently serving cell.

1           16.     The node as in claim 10, further including means for encrypting the determined  
2     mobile communications device location.

1           17.     The node as in claim 10, wherein the metadata includes a time stamp in addition  
2     to the determined location.

1           18.     The node as in claim 10, wherein the metadata includes call related data selected  
2     from the group consisting of a call record, called/calling party, and billing identification in  
3     addition to the determined location.

- 1           19. A communications network, comprising:
- 2                 a mobile communications device;
- 3                 a communications terminal, wherein the mobile communications device and
- 4     communications terminal are connected to a call which includes audio stream data;
- 5                 means for determining location of the mobile communications device;
- 6                 means for linking metadata representing the determined mobile communications
- 7     device location to the audio stream data sent from that mobile communications device; and
- 8                 means at the communications terminal for extracting the metadata from the audio
- 9     stream data and presenting the location of the mobile communications device.
- 1           20. The network as in claim 19, wherein the means for determining and means for
- 2     linking are located within the mobile communication device.
- 1           21. The network as in claim 19, wherein the means for determining and means for
- 2     linking are located within a network node of the communications network.
- 1           22. The network as in claim 19, wherein the means for determining comprises a
- 2     processing technique selected from the group consisting of global positioning system (GPS)
- 3     location determination, wireless network signal triangulation location determination, and serving
- 4     cell identification determination.

1           23.     The network as in claim 19, wherein the means for linking includes the metadata  
2     as in-band information along with the audio stream data.

1           24.     The network as in claim 19, wherein the means for linking includes the metadata  
2     as out-of-band information along with the audio stream data.

1           25.     The network as in claim 19, wherein the means for linking operates in a repetitive  
2     and periodic manner during the course of the call to link metadata representing the determined  
3     mobile communications device location to the audio stream data.

1           26.     The network as in claim 19, wherein the determined location is an identification  
2     of cell currently serving the mobile communication device and the means for linking operates to  
3     link in response to detected changes in the currently serving cell.

1           27.     The network as in claim 19, further including means for encrypting the  
2     determined mobile communications device location.

1           28.     The network as in claim 19, wherein the metadata includes a time stamp in  
2     addition to the determined location.

1           29.   The network as in claim 19, wherein the metadata includes call related data  
2 selected from the group consisting of a call record, called/calling party, and billing identification  
3 in addition to the determined location.

1           30.   The network as in claim 19, wherein the communications terminal is a  
2 surveillance device connected into the call.

1           31.   The network as in claim 19, wherein the communications terminal is a voice  
2 recording device connected to the call.

1           32.     A method, comprising:  
2                 determining a location of a mobile communications device; and  
3                 linking metadata representing the determined mobile communications device  
4     location to audio stream data sent from that mobile communications device for a wireless  
5     communications call.

1           33.     The method as in claim 32, wherein determining comprises location processing as  
2     selected from the group consisting of global positioning system (GPS) location determining,  
3     wireless network signal triangulation location determining, and serving cell identification  
4     determining.

1           34.     The method as in claim 32, wherein linking comprises including the metadata as  
2     in-band information along with the audio stream data.

1           35.     The method as in claim 32, wherein linking comprises including the metadata as  
2     out-of-band information along with the audio stream data.

1           36.     The method as in claim 32, wherein linking includes operating in a repetitive and  
2     periodic manner during the course of the wireless communications call to link metadata  
3     representing the determined mobile communications device location to the audio stream data.

1           37.     The method as in claim 32, wherein the determined location is an identification of  
2     cell currently serving the mobile communication device and linking includes operating to link in  
3     response to detected changes in the currently serving cell.

1           38.     The method as in claim 32, further including encrypting the determined mobile  
2     communications device location.

1           39.     The method as in claim 32, further including:  
2                 extracting the metadata from the audio stream data; and  
3                 presenting the location of the mobile communications device.

1           40.     The method as in claim 32, wherein the metadata includes a time stamp in  
2     addition to the determined location.

1           41.     The method as in claim 32, wherein the metadata includes call related data  
2     selected from the group consisting of a call record, called/calling party, and billing identification  
3     in addition to the determined location.

1           42.     The method as in claim 32, further comprising recording the audio stream data  
2     and linked metadata.